

# **Lane Plating Works**

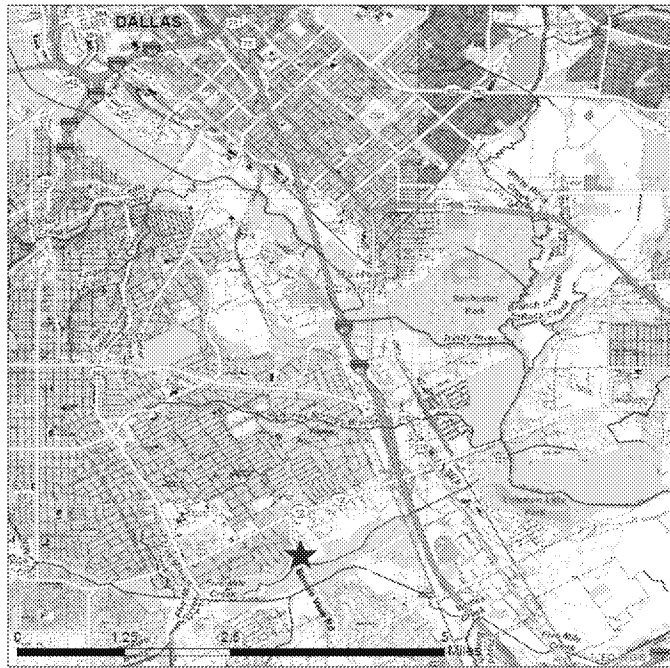


**City of Dallas Meeting  
March 21, 2017**

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# Site Location

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# Property Boundaries

Property Owner: Stag Management, Inc.



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# Property Boundaries (cont.)

Property Owner: Jeff & Leticia Lane



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# Property Boundaries (cont.)

Property Owner: Stag Management, Inc.



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# Property Boundaries (cont.)

Property Owner: J.R. & C.E. Lane



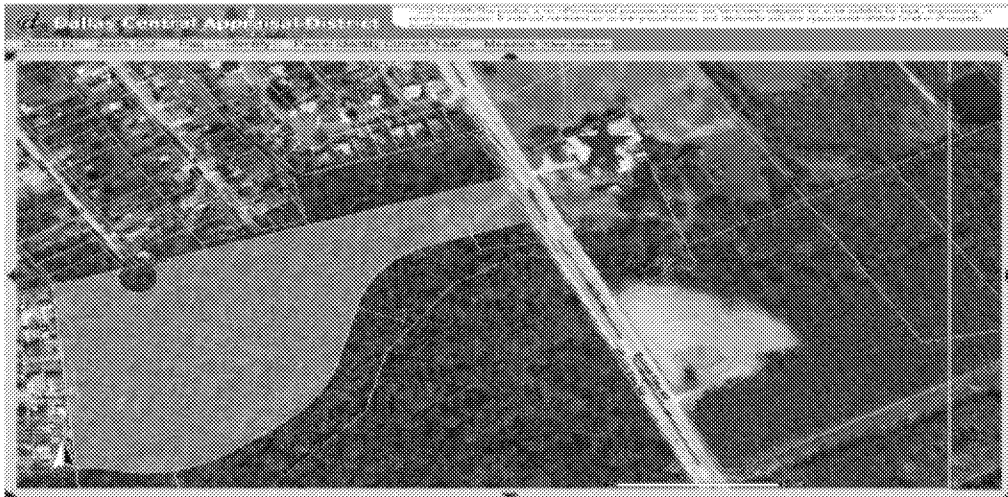
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# Property Boundaries (cont.)

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Property Owner: Charles & John Lane



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## Recent History

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- ▶ Late 2015 – Texas Commission on Environmental Quality (TCEQ) noted the Lane Plating facility had ceased operations and closed
  
- ▶ Dec. 2015 – TCEQ conducted a limited removal action
  - Lab-pack select chemicals in the facility lab
  - Pump waste/sludge from two on-site sumps (~8,000 gals)
  - Secure the facility



## **TCEQ Referral**

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- ▶ TCEQ referred the site to EPA's Emergency Management Branch in January 2016
- ▶ TCEQ requested EPA evaluate the site under the HRS in early-February 2016



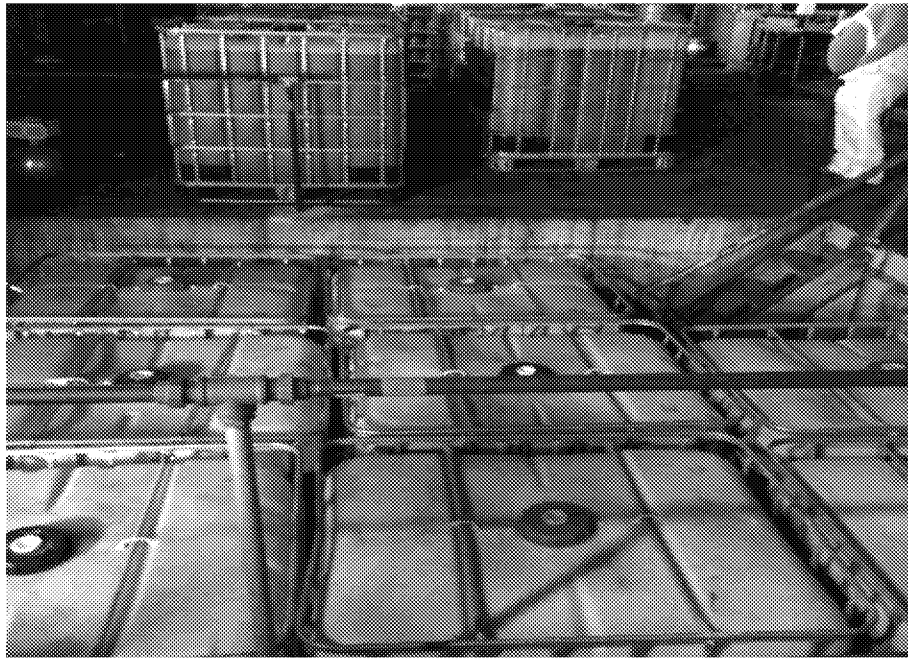
# Removal Assessment

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- ▶ Site reconnaissance completed on March 23, 2016
  
- ▶ Field activities conducted April 12-13, 2016
  - Liquid waste sampling
  - Soil sampling
  
- ▶ Sample results
  - Liquid wastes are characteristically hazardous
  - Soils are contaminated predominantly with hex chrome, lead, and mercury above EPA RSLs



## Totes Containing Chromic Acid Wastes from Sumps



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## Tank Containing Chromic Acid Wastes



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## Removal Assessment (cont.)

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- ▶ Soil sampling conducted:
  - April 12 – 13, 2016 (initial Removal Assessment)
  - Sept. 19 – 23, 2016 (in conjunction with the Removal Action)
  
- ▶ Most common metals detected associated with Lane Plating operations:
  - Hexavalent chromium
  - Lead
  - Mercury



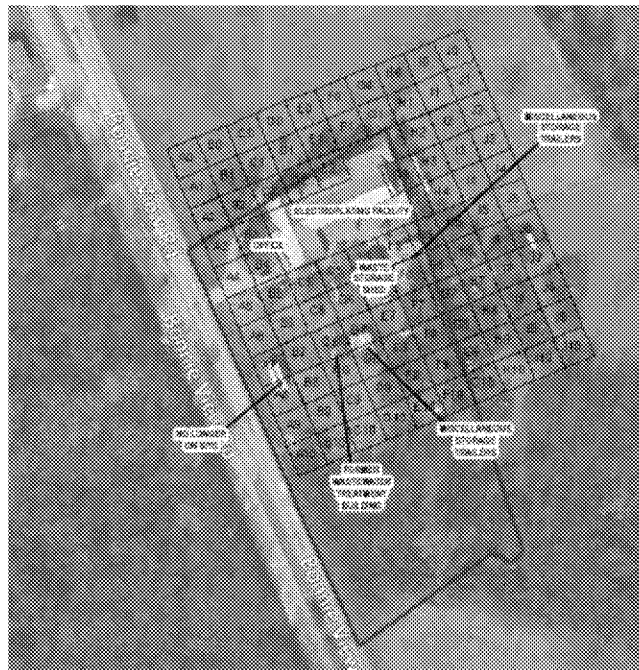
## Removal Assessment (cont.)

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- ▶ EPA Regional Screening Levels (RSLs)
  - Hex Chromium – 6.3 mg/Kg Industrial; 0.3 mg/Kg Residential
  - Lead – 800 mg/Kg Industrial; 400 mg/Kg Residential
  - Mercury – 46 mg/Kg Industrial; 11mg/Kg Residential



# Soil Sampling Grid



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## Removal Action

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- ▶ Removal action conducted from October 3 through November 18, 2016
  
- ▶ Wastes disposed included:
  - Plating solutions (cyanide, chromium, sulfuric acid, caustic solutions)
  - Paints
  - Elemental mercury
  - Flammable liquids and aerosols
  - Waste oil/oil filters
  - Acidic and caustic solids
  - Soils



## Removal Action (cont.)

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- ▶ Quantity of wastes disposed – **187,868 lbs**
  - 111 55-gallon drums
  - 82 275-gallon totes
  - 2 330-gallon totes
  - 10 30-gallon drums
  - 1 95-gallon overpack drum
  - 3 5-gallon pails
  - 54 cubic yards of solids (soil, brick, RCRA empty containers)



# Preliminary Assessment

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- ▶ Site Visit/Field Reconnaissance conducted on February 24, 2016
  - Potential Sources
    - Contaminated soil
    - Containerized wastes
  - Ground Water Pathway
    - Two on-site wells (impacted)
    - Only one well located within 1-mile – irrigation
  - Soil Exposure Pathway
    - No on-site workers
    - No receptors located within 200-feet



## Preliminary Assessment (cont.)

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- ▶ Site Visit/Field Reconnaissance conducted on February 24, 2016 (cont.)
  - Surface Water Pathway
    - No drinking water intakes within the 15-mile TDL
    - Sensitive environments located within the 15-mile TDL (Joppa/Lemon Lake Preserve and freshwater wetlands)
  - Air Pathway
    - 74 Residences within ¼-mile



## Site Inspection

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- ▶ Site Visit/Field Reconnaissance conducted on June 1, 2016
  
- ▶ Field Activities completed from July 18-21
  - Soil
  - Surface Water
  - Sediment



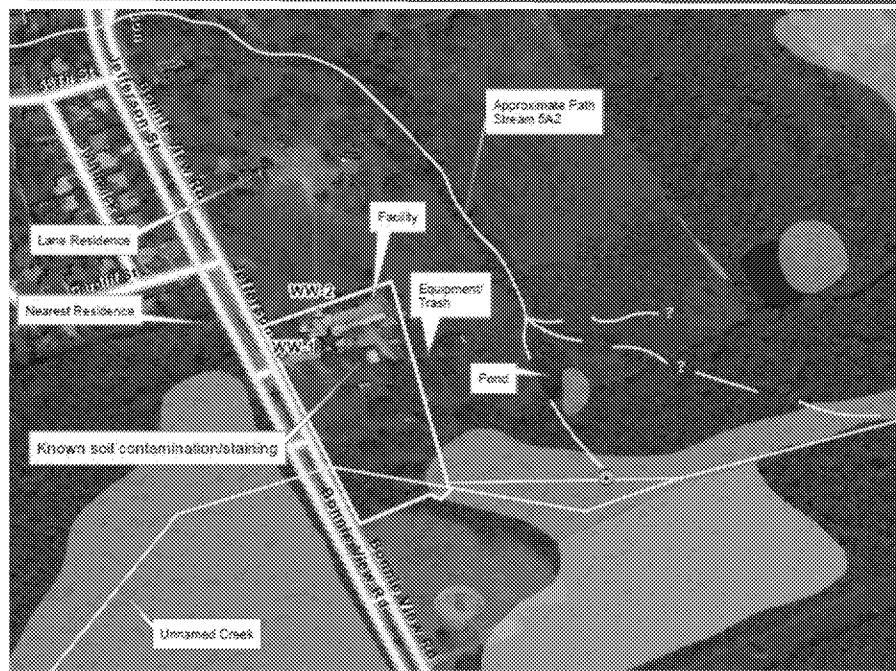
## Site Inspection (cont.)

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- ▶ Site Inspection evaluated the Surface Water Pathway
  
- ▶ Receptors include:
  - Wetlands
  - County preserves containing wetlands (Joppa Preserve/Lemon Lake Park)
  - Endangered/threatened species
  
- ▶ Chromium, lead, and mercury detected in sediments collected from Surface Water Pathway



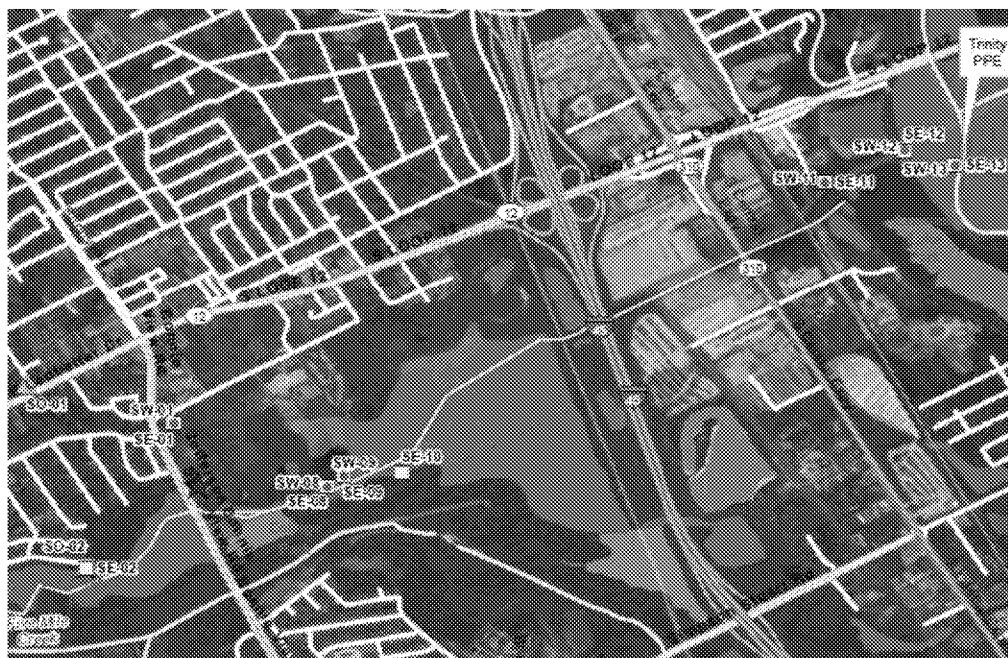
# SI Sampling Map



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# SI Sampling Map



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## Current Status

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- ▶ A Hazard Ranking System (HRS) Package is currently being prepared by the TCEQ to evaluate the site's eligibility for listing on the National Priorities List



# Questions

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